



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Johnson, C. et al

Attorney Docket No: 68.0352

Serial No: 10/632,174

Art Unit: 3672

Filed: July 31, 2003

Examiner: N/Y/A

For: Expandable Systems That Facilitate Desired Fluid Flow

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing

☒ Declaration Submitted after Initial Filing

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Expandable Systems That Facilitate Desired Fluid Flow

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8 & 1.10

I hereby certify that this document and its attachments are being sent on the date indicated below to the Assistant Commissioner for Patents, Washington D.C. 20231 by:

- ☐ facsimile to number \_\_\_\_\_  
☐ first class mail.  
☒ Express Mail: Post Office to Addressee No. EV 335 954 187 US

DATE

7 January 2004

Cherita Persons-Grimstead  
CHERITA PERSONS-GRIMSTEAD

the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Numbers	Country	Foreign Filing Date	Priority Not Claimed	Certified Copy Attached	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

<b>Application Number(s)</b>	<b>Filing Date</b>
60/400,162	August 1, 2002
60/296,042	June 5, 2001
60/286,155	April 24, 2001
60/261,752	January 16, 2001

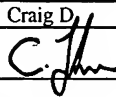
I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

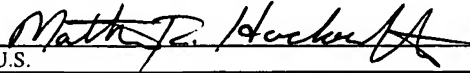
<b>U.S. Parent Application Numbers</b>	<b>PCT Parent Number</b>	<b>Parent Filing Date</b>	<b>Parent Patent Number</b>
10/021,724		December 12, 2001	

**Direct all correspondence to:**

**Patent Counsel  
Schlumberger Reservoir Completions  
Schlumberger Technology Corporation  
P.O. Box 1590  
Rosharon, Texas 77583**

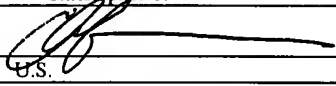
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name of Sole or First Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Craig D.				Johnson			
Inventor's Signature						Date	8-6-03
Citizenship	U.K.						
Residence Address	227 Nevells Road						
Residence: City	Letchworth	State	Hertfordshire	ZIP	SG6 4TZ	Country	U.K.
Post Office Address	227 Nevells Road						
City	Letchworth	State	Hertfordshire	ZIP	SG6 4TZ	Country	U.K.

<b>Name of Additional Inventor</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor.			
Given Name (first and middle [if any])				Family Name or Surname			
Matthew R.				Hackworth			
Inventor's Signature						Date	14 Aug 2003
Citizenship	U.S.						
Residence Address	3702 Paigewood Drive						
Residence: City	Pearland	State	TX	ZIP	77584	Country	U.S.
Post Office Address	3702 Paigewood Drive						
City	Pearland	State	TX	ZIP	77584	Country	U.S.

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Kian				Rasa			
Inventor's Signature	<i>Thian Rao</i>					Date	Aug-28, 2003
Citizenship	Canada						
Residence Address	1614 Hasbrouck Apartments #1614						
Residence: City	Ithaca	State	NY	ZIP	14850	Country	U.S.
Post Office Address	1614 Hasbrouck Apartments #1614						
City	Ithaca	State	NY	ZIP	14850	Country	U.S.

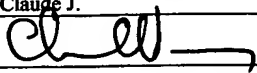
Schlumberger Private

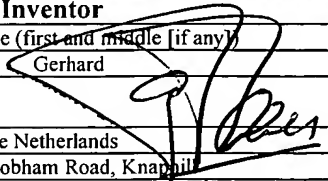
<b>Name of Additional Inventor</b>					<input type="checkbox"/> A petition has been filed for this unsigned inventor.		
Given Name (first and middle [if any])					Family Name or Surname		
Christopher S.					Del Campo		
Inventor's Signature					Date	8/7/03	
Citizenship	U.S.						
Residence Address	1232 Columbia Street						
Residence: City	Houston	State	TX	ZIP	77008	Country	U.S.
Post Office Address	1232 Columbia Street						
City	Houston	State	TX	ZIP	77008	Country	U.S.

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])		Family Name or Surname					
Rod W.		Shampine					
Inventor's Signature	<i>Rod W. Shampine</i>					Date	8/7/03
Citizenship	U.S.						
Residence Address	625 E. 14 <sup>th</sup> Street						
Residence: City	Houston	State	TX	ZIP	77008	Country	U.S.
Post Office Address	625 E. 14 <sup>th</sup> Street						
City	Houston	State	TX	ZIP	77008	Country	U.S.

Schlumberger Private



<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.			
Given Name (first and middle [if any])		Family Name or Surname			
Claude J.		Vercaemer			
Inventor's Signature				Date	15 Sept 03
Citizenship	France				
Residence Address	8 Avenue de Lowendal				
Residence: City	Paris	ZIP	75007	Country	France
Post Office Address	8 Avenue de Lowendal				
City	Paris	ZIP	75007	Country	France

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])		Family Name or Surname					
Gerhard		Schoonderbeek					
Inventor's Signature						Date	8 Aug 2003
Citizenship	The Netherlands						
Residence Address	Chobham Road, Knaphill						
Residence: City	Woking	County	Surrey	ZIP	GU21 2QF	Country	U.K.
Post Office Address	Chobham Road, Knaphill						
City	Woking	County	Surrey	ZIP	GU21 2QF	Country	U.k.



## STATEMENT UNDER 37 CFR 3.73(b)

Applicant: **Schlumberger Technology Corporation**

Application No.: **10/632174**

Docket No.: 68.0352

Entitled: Expandable Systems that Facilitate Desired Fluid Flow

Schlumberger Technology Corporation, a corporation, states that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel: \_\_\_\_\_, Frame: \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above to current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement on behalf of the assignee

Date: 7/31/03

Signature: \_\_\_\_\_

Jeffrey E. Griffin  
Intellectual Property Counsel

## ASSIGNMENT

WHEREAS, We, **Craig D. Johnson**, a citizen of the United Kingdom, residing at 227 Nevells Road, Letchworth, Hertfordshire, SG6 4TZ, U.K.; **Matthew R. Hackworth**, a citizen of the United States of America, residing at 3702 Paigewood Drive, Pearland, TX 77584; **Kian Rasa**, a citizen of Canada, residing at 1614 Hasbrouck Apartments #1614, Ithaca, NY 14850; **Christopher S. Del Campo**, a citizen of the United States of America, residing at 1232 Columbia Street, Houston, TX 77008; **Rod W. Shampine**, a citizen of the United States of America, residing at 625 E. 14th Street, Houston TX 77008; **Claude J. Vercaemer**, a citizen of France, residing at 8 Avenue de Lowendal, 75007 Paris, France; and **Gerhard Schoonderbeek**, a citizen of The Netherlands, residing at Chobham Road, Knaphill, Woking, Surrey GU21 2QF, U.K. hereinafter referred to as the "Inventors", have made inventions and improvements in: **Expandable Systems that Facilitate Desired Fluid Flow** which are the subject of a United States Provisional Patent Application filed on August 1, 2002 under Serial Number 60/400,162 and an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on the date(s) indicated below, (Docket No. 68.0352), hereinafter referred to as the "Invention(s)".

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, hereinafter referred to as "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas, and having a place of business at 300 Schlumberger, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to the Invention(s), and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the Invention(s), described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on the Invention(s) in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon the Invention(s).

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on the Invention(s).

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to the Invention(s), and any related application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

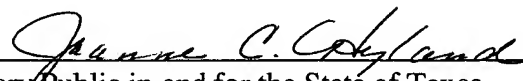
IN WITNESS WHEREOF, I, **Craig D. Johnson** have hereunto set my hand and seal this

6<sup>TH</sup> August, 2003.

  
\_\_\_\_\_  
**Craig D. Johnson**

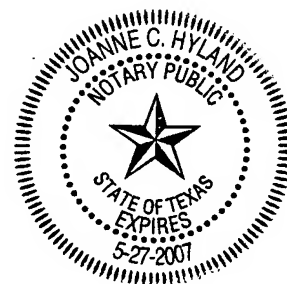
STATE OF TEXAS           §  
                                     §  
COUNTY OF BRAZORIA   §

BEFORE ME, this August 6, 2003, personally appeared **Craig D. Johnson**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

  
\_\_\_\_\_  
Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/07



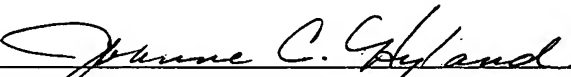
IN WITNESS WHEREOF, I, **Matthew R. Hackworth** have hereunto set my hand and seal this

August 14, 2003.

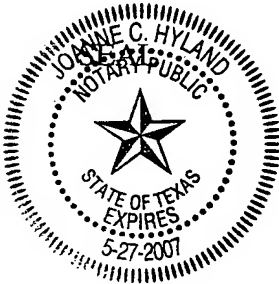
  
Matthew R. Hackworth

STATE OF TEXAS       §  
                                  §  
COUNTY OF BRAZORIA   §

BEFORE ME, this August 14, 2003 personally appeared **Matthew R. Hackworth**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

  
Notary Public in and for the State of Texas

My Commission Expires: 5/27/07



IN WITNESS WHEREOF, I, **Kian Rasa** have hereunto set my hand and seal this

August 28, 2003.

Kian Rasa

**Kian Rasa**

STATE OF New York §  
COUNTY OF Tompkins §

BEFORE ME, this August 28<sup>th</sup>, 2003 personally appeared **Kian Rasa**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Marilyn E. Mazza  
Notary Public in and for the State of \_\_\_\_\_

SEAL

My Commission Expires: \_\_\_\_\_

MARILYN E. MAZZA  
Notary Public, State of New York  
No. 01MA4713480  
Qualified in Tompkins County  
Commission Expires November 30, 2006

IN WITNESS WHEREOF, I, **Christopher S. Del Campo** have hereunto set my hand and seal this  
AUGUST 7, 2003.

  
\_\_\_\_\_  
**Christopher S. Del Campo**

STATE OF TEXAS

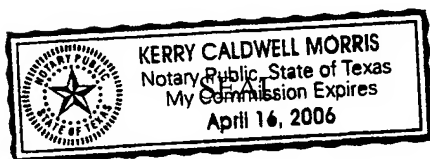
§

COUNTY OF FORT BEND

§

§

BEFORE ME, this August 7, 2003 personally appeared **Christopher S. Del Campo**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Kerry Caldwell Morris  
Notary Public in and for the State of Texas

My Commission Expires: 2006



IN WITNESS WHEREOF, I, **Rod W. Shampine** have hereunto set my hand and seal this

August 7, 2003.

Rod W. Shampine  
Rod W. Shampine

STATE OF TEXAS

§  
§  
§

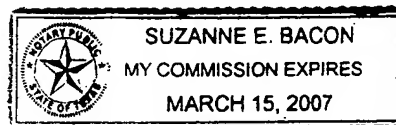
COUNTY OF FORT BEND

BEFORE ME, this 8/7/03, 2003 personally appeared **Rod W. Shampine**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Suzanne Bacon  
Notary Public in and for the State of Texas

SEAL

My Commission Expires: March 15, 2007



IN WITNESS WHEREOF, I, **Claude J. Vercaemer** have hereunto set my hand and seal this

on august 12, 2003.

  
\_\_\_\_\_  
**Claude J. Vercaemer**

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 12<sup>th</sup> day of august, 2003, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

W. Ghossoub  
\_\_\_\_\_  
Witness  
12 Leonard  
\_\_\_\_\_  
146 Rue Jacob  
\_\_\_\_\_  
75006 PARIS  
\_\_\_\_\_  
Post Office Address

J. Ferrica  
\_\_\_\_\_  
Witness  
Alphonse  
\_\_\_\_\_  
3 rue Bixio  
\_\_\_\_\_  
75007 PARIS  
\_\_\_\_\_  
Post Office Address

IN WITNESS WHEREOF, I, Gerhard Schoonderbeek have hereunto set my hand and seal this

Friday 8 Aug 2003

Gerhard Schoonderbeek

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Marise Higgs  
Witness

MARISE HIGGS  
73 WOODLAND DRIVE  
LOATFORD, HERTS  
WD17 3BY  
Post Office Address

Denise Jackson  
Witness

DENISE JACKSON  
FLAT 4, 22 OLIVER GROVE  
SOUTH NORWOOD, LONDON  
SE25 6EJ  
Post Office Address